ELSEVIER

General Subjects

Vol. 1381, 1998

BIOCHIMICA ET BIOPHYSICA ACTA
BBA

Author Index

Ando, K., see Waidhet-Kouadio, P. (1381) 227
Arai, H., see Hayashi, N.R. (1381) 347
Asami, K., Gheorghiu, E. and Yonezawa, T.
Dielectric behavior of budding yeast in cell separation (1381) 234
Awazu, S., see Mizuma, T. (1381) 340

Bank, R.A., see Kleter, G.A. (1381) 179
Belayet, H.Md., see Kanayama, N. (1381) 139
Benboubetra, M., see Page, S. (1381) 191
Biju, M.P., see Nair, A.R. (1381) 351
Blake, D.R., see Page, S. (1381) 191
Boonstra, B., see Longstaff, M. (1381) 147
Boye, E., see Lyngstadaas, A. (1381) 319

Cametti, C., see Santini, M.T. (1381) 355
Cansado, J., Vicente-Soler, J., Soto, T., Fernandez, J. and Gacto, M.
Trehalose-6P synthase is essential for trehalase activation triggered by glucose, nitrogen source or heat shock, but not by osmostress, in *Schizosaccharomyces pombe* (1381) 271
Chandrakasan, C., see Sivakumar, P. (1381) 161
Che, A.P.K., see Ho, W.K.K. (1381) 331
Chinzei, Y., see Waidhet-Kouadio, P. (1381) 227
Chu, F.-F., see Esworthy, R.S. (1381) 213
Coghlan, M., see Sanchez-Olea, R. (1381) 49
Comper, W.D., see Osicka, T.M. (1381) 170

Dainiak, M.B., Izumrudov, V.A., Muronetz, V.I., Galaev, I.Y. and Mattiasson, B.
Conjugates of monoclonal antibodies with polyelectrolyte complexes – an attempt to make an artificial chaperone (1381) 279
Damen, J.J.M., see Kleter, G.A. (1381) 179
Das, H.R., see Jayaraman, V. (1381) 7
De Hoog, E., see Dorhout, B. (1381) 89, 95
Dias, N., see Ho, W.K.K. (1381) 331
Dobashi, A., see Mizuma, T. (1381) 340
Dorhout, B., Ferwerda, H., Kingma, A.W., De Hoog, E. and Muskiet, F.A.J.
In vivo manipulation of L1210 cell cycle phase distribution with α-difluoromethylornithine, 4-amidinoindan-1-one 2′-amidinohydrazone and N^1-acetylspermine (1381) 89
Dorhout, B., Poortenga, P.J., Kingma, A.W., De Hoog, E. and Muskiet, F.A.J.
In vitro manipulation of L1210 cell cycle kinetics with 4-amidinoindan-1-one 2′-amidinohydrazone, α-difluoromethylornithine and N^1-acetylspermine (1381) 95

Emma, F., see Sanchez-Olea, R. (1381) 49
Engel, W.-D., see Peter, J. (1381) 356
Esworthy, R.S., Swiderek, K.M., Ho, Y.-S. and Chu, F.-F.
Selenium-dependent glutathione peroxidase-GI is a major glutathione peroxidase activity in the mucosal epithelium of rodent intestine (1381) 213

Fernandez, J., see Cansado, J. (1381) 271
Ferwerda, H., see Dorhout, B. (1381) 89
Flamma, F., see Santini, M.T. (1381) 355
Floridi, A., see Santini, M.T. (1381) 355
Fujitsuka, N., see Murakami, T. (1381) 113

Gacto, M., see Cansado, J. (1381) 271
Gaikwad, S.M., see Gurjar, M.M. (1381) 256
Galaev, I.Y., see Dainiak, M.B. (1381) 279
Ganesh, K.N., see Krishna, A.G. (1381) 104
Gheorghiu, E., see Asami, K. (1381) 234
Golubev, W.L., see Puchkov, E.O. (1381) 61
Gruber, H.J., Kada, G., Marek, M. and Kaiser, K.
Accurate titration of avidin and streptavidin with biotin–fluorophore conjugates in complex, colored biofluids (1381) 203
Gurjar, M.M., Khan, M.I. and Gaikwad, S.M.
α-Galactoside binding lectin from *Artocarpus hirsuta*: characterization of the sugar specificity and binding site (1381) 256

Hamilton, W.D.O., see Longstaff, M. (1381) 147
Han, Y., see Zhao, W. (1381) 77
Harris, W.J., see Longstaff, M. (1381) 147
Harrison, R., see Page, S. (1381) 191
Hayashi, N.R., Arai, H., Kodama, T. and Igarashi, Y.
The *nirQ* gene, which is required for denitrification of *Pseudomonas aeruginosa*, can activate the RubisCO from *Pseudomonas hydrogenothermophila* (1381) 347
Hirabayashi, Y., see Nagatsuka, Y. (1381) 123
Hirota, S., see Zhao, W. (1381) 77
Ho, W.K.K., Meng, Z.Q., Lin, H.R., Poon, C.T., Leung, Y.K., Yan, K.T., Dias, N., Che, A.P.K., Liu, J., Zheng, W.M., Sun, Y. and Wong, A.O.L.
Expression of grass carp growth hormone by baculovirus in silkworm larvae (1381) 331
Ho, Y.-S., see Esworthy, R.S. (1381) 213
Honda, S., see Kojima, S. (1381) 312
Honda, Y., see Kojima, S. (1381) 312
Hösel, W., see Peter, J. (1381) 356
Hoshi, M., see Naito, S. (1381) 293
Hou, J., see Zhao, W. (1381) 77

Igarashi, Y., see Hayashi, N.R. (1381) 347
Iriyama, K., see Yamaoka, K. (1381) 265
Ishiguro, Y., see Kimura, Y. (1381) 27
Ishii, T., see Yajima, H. (1381) 68
Izumrudov, V.A., see Dainiak, M.B. (1381) 279

Jayaraman, V. and Das, H.R.
Interaction of peanut root lectin (PRA II) with rhizobial lipopolysaccharides (1381) 7
Jike, T., see Nagatsuka, Y. (1381) 123

ELSEVIER

General Subjects

Vol. 1381, 1998

BIOCHIMICA ET BIOPHYSICA ACTA
BBA

Author Index

Ando, K., see Waidhet-Kouadio, P. (1381) 227
Arai, H., see Hayashi, N.R. (1381) 347
Asami, K., Gheorghiu, E. and Yonezawa, T.
Dielectric behavior of budding yeast in cell separation (1381) 234
Awazu, S., see Mizuma, T. (1381) 340

Bank, R.A., see Kleter, G.A. (1381) 179
Belayet, H.Md., see Kanayama, N. (1381) 139
Benboubetra, M., see Page, S. (1381) 191
Biju, M.P., see Nair, A.R. (1381) 351
Blake, D.R., see Page, S. (1381) 191
Boonstra, B., see Longstaff, M. (1381) 147
Boye, E., see Lyngstadaas, A. (1381) 319

Cametti, C., see Santini, M.T. (1381) 355
Cansado, J., Vicente-Soler, J., Soto, T., Fernandez, J. and Gacto, M.
Trehalose-6P synthase is essential for trehalase activation triggered by glucose, nitrogen source or heat shock, but not by osmostress, in *Schizosaccharomyces pombe* (1381) 271
Chandrakasan, C., see Sivakumar, P. (1381) 161
Che, A.P.K., see Ho, W.K.K. (1381) 331
Chinzei, Y., see Waidhet-Kouadio, P. (1381) 227
Chu, F.-F., see Esworthy, R.S. (1381) 213
Coghlan, M., see Sanchez-Olea, R. (1381) 49
Comper, W.D., see Osicka, T.M. (1381) 170

Dainiak, M.B., Izumrudov, V.A., Muronetz, V.I., Galaev, I.Y. and Mattiasson, B.
Conjugates of monoclonal antibodies with polyelectrolyte complexes – an attempt to make an artificial chaperone (1381) 279
Damen, J.J.M., see Kleter, G.A. (1381) 179
Das, H.R., see Jayaraman, V. (1381) 7
De Hoog, E., see Dorhout, B. (1381) 89, 95
Dias, N., see Ho, W.K.K. (1381) 331
Dobashi, A., see Mizuma, T. (1381) 340
Dorhout, B., Ferwerda, H., Kingma, A.W., De Hoog, E. and Muskiet, F.A.J.
In vivo manipulation of L1210 cell cycle phase distribution with α-difluoromethylornithine, 4-amidinoindan-1-one 2′-amidinohydrazone and N^1-acetylspermine (1381) 89
Dorhout, B., Poortenga, P.J., Kingma, A.W., De Hoog, E. and Muskiet, F.A.J.
In vitro manipulation of L1210 cell cycle kinetics with 4-amidinoindan-1-one 2′-amidinohydrazone, α-difluoromethylornithine and N^1-acetylspermine (1381) 95

Emma, F., see Sanchez-Olea, R. (1381) 49
Engel, W.-D., see Peter, J. (1381) 356
Esworthy, R.S., Swiderek, K.M., Ho, Y.-S. and Chu, F.-F.
Selenium-dependent glutathione peroxidase-GI is a major glutathione peroxidase activity in the mucosal epithelium of rodent intestine (1381) 213

Fernandez, J., see Cansado, J. (1381) 271
Ferwerda, H., see Dorhout, B. (1381) 89
Flamma, F., see Santini, M.T. (1381) 355
Floridi, A., see Santini, M.T. (1381) 355
Fujitsuka, N., see Murakami, T. (1381) 113

Gacto, M., see Cansado, J. (1381) 271
Gaikwad, S.M., see Gurjar, M.M. (1381) 256
Galaev, I.Y., see Dainiak, M.B. (1381) 279
Ganesh, K.N., see Krishna, A.G. (1381) 104
Gheorghiu, E., see Asami, K. (1381) 234
Golubev, W.L., see Puchkov, E.O. (1381) 61
Gruber, H.J., Kada, G., Marek, M. and Kaiser, K.
Accurate titration of avidin and streptavidin with biotin–fluorophore conjugates in complex, colored biofluids (1381) 203
Gurjar, M.M., Khan, M.I. and Gaikwad, S.M.
α-Galactoside binding lectin from *Artocarpus hirsuta*: characterization of the sugar specificity and binding site (1381) 256

Hamilton, W.D.O., see Longstaff, M. (1381) 147
Han, Y., see Zhao, W. (1381) 77
Harris, W.J., see Longstaff, M. (1381) 147
Harrison, R., see Page, S. (1381) 191
Hayashi, N.R., Arai, H., Kodama, T. and Igarashi, Y.
The *nirQ* gene, which is required for denitrification of *Pseudomonas aeruginosa*, can activate the RubisCO from *Pseudomonas hydrogenothermophila* (1381) 347
Hirabayashi, Y., see Nagatsuka, Y. (1381) 123
Hirota, S., see Zhao, W. (1381) 77
Ho, W.K.K., Meng, Z.Q., Lin, H.R., Poon, C.T., Leung, Y.K., Yan, K.T., Dias, N., Che, A.P.K., Liu, J., Zheng, W.M., Sun, Y. and Wong, A.O.L.
Expression of grass carp growth hormone by baculovirus in silkworm larvae (1381) 331
Ho, Y.-S., see Esworthy, R.S. (1381) 213
Honda, S., see Kojima, S. (1381) 312
Honda, Y., see Kojima, S. (1381) 312
Hösel, W., see Peter, J. (1381) 356
Hoshi, M., see Naito, S. (1381) 293
Hou, J., see Zhao, W. (1381) 77

Igarashi, Y., see Hayashi, N.R. (1381) 347
Iriyama, K., see Yamaoka, K. (1381) 265
Ishiguro, Y., see Kimura, Y. (1381) 27
Ishii, T., see Yajima, H. (1381) 68
Izumrudov, V.A., see Dainiak, M.B. (1381) 279

Jayaraman, V. and Das, H.R.
Interaction of peanut root lectin (PRA II) with rhizobial lipopolysaccharides (1381) 7
Jike, T., see Nagatsuka, Y. (1381) 123

Kada, G., see Gruber, H.J. (1381) 203
Kaiser, K., see Gruber, H.J. (1381) 203
Kanayama, N., Maehara, K., She, L., Belayet, H.Md., Khatun, S., Tokunaga, N. and Terao, T.
Urinary trypsin inhibitor suppresses vascular smooth muscle contraction by inhibition of Ca^{2+} influx (1381) 139
Kettenes-van den Bosch, J.J., see Kleter, G.A. (1381) 179
Khan, B.M., see Krishna, A.G. (1381) 104
Khan, M.I., see Gurjar, M.M. (1381) 256
Khatun, S., see Kanayama, N. (1381) 139
Kimura, Y., Tokuda, T., Ohno, A., Tanaka, H. and Ishiguro, Y.
Enzymatic properties of endo-β-*N*-acetylglucosaminidases from developing tomato fruits and soybean seeds: substrate specificity of plant origin endoglycosidase (1381) 27
Kingma, A.W., see Dorhout, B. (1381) 89, 95
Kleter, G.A., Damen, J.J.M., Kettenes-van den Bosch, J.J., Bank, R.A., Te Koppele, J.M., Veraart, J.R. and Ten Cate, J.M.
A novel pyrroleninone cross-link from bovine dentine (1381) 179
Kodama, T., see Hayashi, N.R. (1381) 347
Kojima, S., Matsuki, O., Nomura, T., Kubodera, A., Honda, Y., Honda, S., Tanooka, H., Wakasugi, H. and Yamaoka, K.
Induction of mRNAs for glutathione synthesis-related proteins in mouse liver by low doses of γ-rays (1381) 312
Kojima, S., see Yamaoka, K. (1381) 265
Krasnov, A., Reinisalo, M., Pitkänen, T.I., Nishikimi, M. and Mölsä, H.
Expression of rat gene for L-gulono-γ-lactone oxidase, the key enzyme of L-ascorbic acid biosynthesis, in guinea pig cells and in teleost fish rainbow trout (*Oncorhynchus mykiss*) (1381) 241
Krishna, A.G., Kumar, D.V., Khan, B.M., Rawal, S.K. and Ganesh, K.N.
Taxol–DNA interactions: fluorescence and CD studies of DNA groove binding properties of taxol (1381) 104
Kruh, C.D., see Shen, H. (1381) 131
Kubodera, A., see Kojima, S. (1381) 312
Kumar, D.V., see Krishna, A.G. (1381) 104

Learmonth, D., see Longstaff, M. (1381) 147
Leung, Y.K., see Ho, W.K.K. (1381) 331
Lin, H.R., see Ho, W.K.K. (1381) 331
Liu, J., see Ho, W.K.K. (1381) 331
Longstaff, M., Newell, C.A., Boonstra, B., Strachan, G., Learmonth, D., Harris, W.J., Porter, A.J. and Hamilton, W.D.O.
Expression and characterisation of single-chain antibody fragments produced in transgenic plants against the organic herbicides atrazine and paraquat (1381) 147
Lyngstadaas, A., Sprenger, G.A. and Boye, E.
Impaired growth of an *Escherichia coli rpe* mutant lacking ribulose-5-phosphate epimerase activity (1381) 319

Maehara, K., see Kanayama, N. (1381) 139
Malorni, W., see Santini, M.T. (1381) 355
Marek, M., see Gruber, H.J. (1381) 203
Maroudas, A., see Wachtel, E. (1381) 37
Matsuki, O., see Kojima, S. (1381) 312
Mattiasson, B., see Dainiak, M.B. (1381) 279
Meng, Z.Q., see Ho, W.K.K. (1381) 331
Metodiewa, D., see Segura-Aguilar, J. (1381) 1
Mizuma, T., Nagamine, Y., Dobashi, A. and Awazu, S.
Factors that cause the β-anomeric preference of Na^+/glucose cotransporter for intestinal transport of monosaccharide conjugates (1381) 340
Mölsä, H., see Krasnov, A. (1381) 241
Murakami, T., Shimomura, Y., Yoshimura, A., Sokabe, M. and Fujitsuka, N.
Induction of nuclear respiratory factor-1 expression by an acute bout of exercise in rat muscle (1381) 113
Muronetz, V.I., see Dainiak, M.B. (1381) 279
Muskiet, F.A.J., see Dorhout, B. (1381) 89, 95

Nagamine, Y., see Mizuma, T. (1381) 340
Nagaoka, M., see Yajima, H. (1381) 68
Nagatsuka, Y., Nakano, C., Nemoto, N., Jike, T., Ono, Y. and Hirabayashi, Y.
Establishment and characterization of an Epstein–Barr virus-transformed B cell line, KM/C8, from a patient with infantile sialic acid storage disease (ISSD) (1381) 123
Nair, A.R., Biju, M.P. and Paulose, C.S.
Effect of pyridoxine and insulin administration on brain glutamate dehydrogenase activity and blood glucose control in streptozotocin-induced diabetic rats (1381) 351
Naito, S., Hoshi, M. and Yagihara, S.
Microwave dielectric analysis of human stratum corneum in vivo (1381) 293
Nakagawa, M., see Nakamura, T. (1381) 286
Nakamura, T., Urashima, T., Nakagawa, M. and Saito, T.
Sialyllactose occurs as free lactones in ovine colostrum (1381) 286
Nakano, C., see Nagatsuka, Y. (1381) 123
Nakazato, K., see Yajima, H. (1381) 68
Nemoto, N., see Nagatsuka, Y. (1381) 123
Newell, C.A., see Longstaff, M. (1381) 147
Niimura, N., see Yajima, H. (1381) 68
Nishikimi, M., see Krasnov, A. (1381) 241
Nomura, T., see Kojima, S. (1381) 312
Nomura, T., see Yamaoka, K. (1381) 265

Ohno, A., see Kimura, Y. (1381) 27
Ono, Y., see Nagatsuka, Y. (1381) 123
Osicka, T.M. and Comper, W.D.
Tubular inhibition destroys charge selectivity for anionic and neutral horseradish peroxidase (1381) 170

Page, S., Powell, D., Benboubetra, M., Stevens, C.R., Blake, D.R., Selase, F., Wolstenholme, A.J. and Harrison, R.
Xanthine oxidoreductase in human mammary epithelial cells: activation in response to inflammatory cytokines (1381) 191
Paradisi, S., see Santini, M.T. (1381) 355
Paulose, C.S., see Nair, A.R. (1381) 351
Peter, J., Unverzagt, C., Engel, W.-D., Renauer, D., Seidel, C. and Hösel, W.
Erratum to 'Identification of carbohydrate deficient transferrin forms by MALDI-TOF mass spectrometry and lectin ELISA' (1381) 356
Peters, W.H.M., see Van Lieshout, E.M.M. (1381) 305
Pitkänen, T.I., see Krasnov, A. (1381) 241
Poon, C.T., see Ho, W.K.K. (1381) 331
Poortenga, P.J., see Dorhout, B. (1381) 95
Porter, A.J., see Longstaff, M. (1381) 147
Powell, D., see Page, S. (1381) 191
Puchkov, E.O., Yurkova, T.V. and Golubev, W.L.
Effects of *Cryptococcus humicola* killer toxin upon *Cryptococcus terreus* envelope: combined fluorometric and microscopic studies (1381) 61

Ramasarma, T., see Rao, A.V.S. (1381) 249
Rao, A.V.S., Ravishankar, H.N. and Ramasarma, T.
Diperoxovanadate participates in peroxidation reactions of H_2O_2 in presence of abundant catalase (1381) 249
Ravishankar, H.N., see Rao, A.V.S. (1381) 249
Rawal, S.K., see Krishna, A.G. (1381) 104

Reinisalo, M., see Krasnov, A. (1381) 241
Renauer, D., see Peter, J. (1381) 356
Roelofs, H.M.J., see Van Lieshout, E.M.M. (1381) 305

Saito, T., see Nakamura, T. (1381) 286
Sanchez-Olea, R., Emma, F., Coghlan, M. and Strange, K.
Characterization of pI_{Cln} phosphorylation state and a pI_{Cln}-associated protein kinase (1381) 49
Santini, M.T., Cametti, C., Straface, E., Floridi, A., Flamma, F., Paradisi, S. and Malorni, W.
Corrigendum to 'The new EPR molecular oxygen probe fusinite is not toxic to cells' (1381) 355
Schultz, M., see Shen, H. (1381) 131
Segura-Aguilar, J., Metodiewa, D. and Welch, C.J.
Metabolic activation of dopamine *o*-quinones to *o*-semiquinones by NADPH cytochrome *P*450 reductase may play an important role in oxidative stress and apoptotic effects (1381) 1
Seidel, C., see Peter, J. (1381) 356
Selase, F., see Page, S. (1381) 191
She, L., see Kanayama, N. (1381) 139
Shen, H., Schultz, M., Kruh, C.D. and Tew, K.D.
Increased expression of DNA-dependent protein kinase confers resistance to adriamycin (1381) 131
Shimomura, Y., see Murakami, T. (1381) 113
Sivakumar, P. and Chandrakasan, C.
Occurrence of a novel collagen with three distinct chains in the cranial cartilage of the squid *Sepia officinalis*: comparison with shark cartilage collagen (1381) 161
Sokabe, M., see Murakami, T. (1381) 113
Soto, T., see Cansado, J. (1381) 271
Sprenger, G.A., see Lyngstadaas, A. (1381) 319
Stegeman, J.J., see Yawetz, A. (1381) 12
Stevens, C.R., see Page, S. (1381) 191
Strachan, G., see Longstaff, M. (1381) 147
Straface, E., see Santini, M.T. (1381) 355
Strange, K., see Sanchez-Olea, R. (1381) 49
Sun, Y., see Ho, W.K.K. (1381) 331
Swiderek, K.M., see Esworthy, R.S. (1381) 213

Takahashi, M., see Yamaoka, K. (1381) 265
Tanaka, H., see Kimura, Y. (1381) 27
Tanooka, H., see Kojima, S. (1381) 312
Te Koppele, J.M., see Kleter, G.A. (1381) 179
Ten Cate, J.M., see Kleter, G.A. (1381) 179
Terao, T., see Kanayama, N. (1381) 139
Tew, K.D., see Shen, H. (1381) 131
Tiemessen, D.M., see Van Lieshout, E.M.M. (1381) 305
Tokuda, T., see Kimura, Y. (1381) 27
Tokunaga, N., see Kanayama, N. (1381) 139

Unverzagt, C., see Peter, J. (1381) 356
Urashima, T., see Nakamura, T. (1381) 286

Van Lieshout, E.M.M., Tiemessen, D.M., Roelofs, H.M.J. and Peters, W.H.M.
Nonsteroidal anti-inflammatory drugs enhance glutathione *S*-transferase theta levels in rat colon (1381) 305
Veraart, J.R., see Kleter, G.A. (1381) 179
Vicente-Soler, J., see Cansado, J. (1381) 271

Wachtel, E. and Maroudas, A.
The effects of pH and ionic strength on intrafibrillar hydration in articular cartilage (1381) 37
Waidhet-Kouadio, P., Yuda, M., Ando, K. and Chinzei, Y.
Purification and characterization of a thrombin inhibitor from the salivary glands of a malarial vector mosquito, *Anopheles stephensi* (1381) 227
Wakasugi, H., see Kojima, S. (1381) 312
Welch, C.J., see Segura-Aguilar, J. (1381) 1
Wolstenholme, A.J., see Page, S. (1381) 191
Wong, A.O.L., see Ho, W.K.K. (1381) 331
Woodin, B.R., see Yawetz, A. (1381) 12

Xin, W., see Zhao, W. (1381) 77

Yagihara, S., see Naito, S. (1381) 293
Yajima, H., Yamamoto, H., Nagaoka, M., Nakazato, K., Ishii, T. and Niimura, N.
Small-angle neutron scattering and dynamic light scattering studies of N- and C-terminal fragments of ovotransferrin (1381) 68
Yamamoto, H., see Yajima, H. (1381) 68
Yamaoka, K., Kojima, S., Takahashi, M., Nomura, T. and Iriyama, K.
Change of glutathione peroxidase synthesis along with that of superoxide dismutase synthesis in mice spleens after low-dose X-ray irradiation (1381) 265
Yamaoka, K., see Kojima, S. (1381) 312
Yan, K.T., see Ho, W.K.K. (1381) 331
Yawetz, A., Woodin, B.R. and Stegeman, J.J.
Cytochromes *P*450 in liver of the turtle *Chrysemys picta picta* and the induction and partial purification of CYP1A-like proteins (1381) 12
Yonezawa, T., see Asami, K. (1381) 234
Yoshimura, A., see Murakami, T. (1381) 113
Yuda, M., see Waidhet-Kouadio, P. (1381) 227
Yurkova, T.V., see Puchkov, E.O. (1381) 61

Zhao, B., see Zhao, W. (1381) 77
Zhao, W., Han, Y., Zhao, B., Hirota, S., Hou, J. and Xin, W.
Effect of carotenoids on the respiratory burst of rat peritoneal macrophages (1381) 77
Zheng, W.M., see Ho, W.K.K. (1381) 331